

Substitute for form 1448A/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Application Number	10/678,765
		Filing Date	October 2, 2003
		First Named Inventor	Serbedzija, George N.
		Art Unit	1632
		Examiner Name	Valarie E. Bertoglio
(Use as many sheets as necessary)		Attorney Docket Number	018852-000511US
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U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			

FOREIGN PATENT DOCUMENTS								
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		Country Code <sup>2</sup>	Number <sup>3</sup>	Kind Code <sup>4</sup> (if known)				
	230	EP	1 644 733	B1	04-11-2007	Daniolabs Limited		<input type="checkbox"/>

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	202	ALEXANDRE et al., "Somatotomy of the lateral line projection in larval zebrafish," <u>PNAS</u> , 96:7558-7562 (1999).	<input type="checkbox"/>
	194	ANICHTCHIK et al., "Neurochemical and behavioural changes in zebrafish <i>Danio rerio</i> after systemic administration of 6-hydroxydopamine and 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine," <u>Journal of Neurochemistry</u> , 88:443-453 (2004).	<input type="checkbox"/>
	208	ANKLEY et al., "Small Fish Models for Identifying and Assessing the Effects of Endocrine-disrupting Chemicals," <u>ILAR Journal</u> , 45(4):469-483 (2004).	<input type="checkbox"/>
	209	BEHRA et al., "The Use of Zebrafish Mutants to Identify Secondary Target Effects of Acetylcholine Esterase Inhibitors," <u>Toxicological Sciences</u> , 77:325-333 (2004).	<input type="checkbox"/>
	210	BERNSTEIN et al., "The Blood-Brain Barrier of Fish," <u>Experimental Neurology</u> , 11:464-473 (1965).	<input type="checkbox"/>
	211	BRETAUD et al., "Sensitivity of zebrafish to environmental toxins implicated in Parkinson's disease," <u>Neurotoxicology and Teratology</u> , 26:857-864 (2004).	<input type="checkbox"/>
	212	BRUSTEIN et al., "In vivo monitoring of neuronal network activity in zebrafish by two-photon Ca <sup>2+</sup> imaging," <u>Eur J Physiol</u> , 446:766-773 (2003).	<input type="checkbox"/>
	213	CHANG et al., "Developmental Toxicity of Aroclor, the Major Alkaloid in Betel Nuts, in Zebrafish Embryos," <u>Birth Defects Research</u> , (Part A) 70:28-36 (2004).	<input type="checkbox"/>
	191	CSERR et al., "Blood-brain interfaces in vertebrates: a comparative approach," <u>Am J Physiol</u> , 246:R277-R288 (1984).	<input type="checkbox"/>
	214	DARLAND et al., "Behavioral screening for cocaine sensitivity in mutagenized zebrafish," <u>PNAS</u> , 98(20):11691-11696 (2001).	<input type="checkbox"/>
	215	DEN HERTOOG, Jeroen, "Chemical Genetics: Drug Screens in Zebrafish," <u>Bioscience Reports</u> , 25(5/6):289-297 (2005).	<input type="checkbox"/>
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	200	DONG et al., "Role of Aryl Hydrocarbon Receptor in Mesencephalic Circulation Failure and Apoptosis in Zebrafish Embryos Exposed to 2,3,7,8-Tetrachlorodibenzo-p-Dioxin," <i>Toxicological Sciences</i> , 77:109-116 (2004).	<input type="checkbox"/>
	216	DONG et al., "2,3,7,8-Tetrachlorodibenzo-p-dioxin Toxicity in the Zebrafish Embryo: Local Circulation Failure in the Dorsal midbrain Is Associated with Increased Apoptosis," <i>Toxicological Sciences</i> , 69:191-201 (2002).	<input type="checkbox"/>
	217	FETCHO et al., "Visualization of Active Neural Circuitry in the Spinal Cord of Intact Zebrafish," <i>Journal of Neurophysiology</i> , 73(1):399-406 (1995).	<input type="checkbox"/>
	206	FRIEDLAND et al., "Development of an Anti-A $\beta$ Monoclonal Antibody for In Vivo Imaging of Amyloid Angiopathy in Alzheimer's Disease," <i>Molecular Neurobiology</i> , 9:107-113 (1994).	<input type="checkbox"/>
	218	GELING et al., "A $\gamma$ -secretase inhibitor blocks Notch signaling <i>in vivo</i> and causes a severe neurogenic phenotype in zebrafish," <i>EMBO Reports</i> , 3(7):688-694 (2002).	<input type="checkbox"/>
	219	GERLAI et al., "Drinks like a fish: zebra fish ( <i>Danio rerio</i> ) as a behavior genetic model to study alcohol effects," <i>Pharmacology, Biochemistry, and Behavior</i> , 67:773-782 (2000).	<input type="checkbox"/>
	197	GUPTA et al., "Neuroprotective Role of Melatonin in Oxidative Stress Vulnerable Brain," <i>Indian J. Physiol Pharmacol</i> , 47(4):373-386 (2003).	<input type="checkbox"/>
	220	HILL et al., "Neurodevelopmental Defects in Zebrafish ( <i>Danio rerio</i> ) at Environmentally Relevant Dioxin (TCDD) Concentrations," <i>Toxicological Sciences</i> , 76:392-399 (2003).	<input type="checkbox"/>
	221	KHAN et al., "Role of Serotonin in Fish Immunomodulation," <i>The Journal of Experimental Biology</i> , 200:1833-1838 (1997).	<input type="checkbox"/>
	222	KHERSONSKY et al., "Facilitated Forward Chemical Genetics Using a Tagged Triazine Library and Zebrafish Embryo Screening," <i>J. Am. Chem. Soc.</i> , 125:11804-11805 (2003).	<input type="checkbox"/>
	195	KURLANDSKY et al., "Plasma Delivery of Retinoic Acid to Tissues in the Rat," <i>J. Biol. Chem.</i> , 270(30):17850-17857 (1995).	<input type="checkbox"/>
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	193	LUNDQUIST, Frank. "The Blood-Brain-Barrier in Some Freshwater Teleosts," <u>Acta Physiologica Scandinavica</u> , 4(3-4):201-206 (1942).	<input type="checkbox"/>	
	223	MACRAE et al., "Zebrafish-Based Small Molecule Discovery," <u>Chemistry &amp; Biology</u> , 10:901-908 (2003).	<input type="checkbox"/>	
	199	MILAN et al., "Drugs that Induce Repolarization Abnormalities Cause Bradycardia in Zebrafish," <u>Circulation</u> , 107:1355-1358 (2003).	<input type="checkbox"/>	
	192	MILLER et al., "Xenobiotic efflux pumps in isolated fish brain capillaries," <u>Am J Physiol Regulatory Integrative Comp Physiol</u> , 282:R191-198 (2002).	<input type="checkbox"/>	
	207	MOORE et al., "Murine Cerebral Microvascular Endothelium Incorporate and Metabolize 12-Hydroxyeicosatetraenoic Acid," <u>Journal of Cellular Physiology</u> , 137:785-85 (1988).	<input type="checkbox"/>	
	205	MOOS et al., "Cerebrovascular permeability to azo dyes and plasma proteins in rodents of different ages," <u>Neuropathology and Applied Neurobiology</u> , 19:120-127 (1993).	<input type="checkbox"/>	
	229	Opposition Brief dated 01/11/2008 filed by opponent during opposition proceedings for EP 1 644 733.	<input type="checkbox"/>	
	224	PEITSARO et al., "Modulation of the histaminergic system and behaviour by $\alpha$ -fluoromethylhistidine in zebrafish," <u>Journal of Neurochemistry</u> , 86:432-441 (2003).	<input type="checkbox"/>	
	198	PRADEL et al., "Inhibition of Memory Consolidation by Antibodies against Cell Adhesion Molecules after Active Avoidance Conditioning in Zebrafish," <u>J. Neurobiol.</u> , 39:197-206 (1999).	<input type="checkbox"/>	
	225	RENIER et al., "Genomic and functional conservation of sedative-hypnotic targets in the zebrafish," <u>Pharmacogenetics and Genomics</u> , 17:237-253 (2007).	<input type="checkbox"/>	
	226	RITTER et al., "In Vivo Imaging of Zebrafish Reveals Differences in the Spinal Networks for Escape and Swimming Movements," <u>The Journal of Neuroscience</u> , 21(22):8956-8965 (2001).	<input type="checkbox"/>	
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	204	SKOV et al., "The blood volumes of the primary and secondary circulatory system in the Atlantic cod <i>Gadus morhua</i> L., using plasma bound Evans Blue and compartmental analysis," <i>The Journal of Experimental Biology</i> , 206:591-599 (2003).	<input type="checkbox"/>	
	203	STOPA et al., "Albumin binds self-assembling dyes as specific polymolecular ligands, <i>International Journal of Biological Macromolecules</i> , 40:1-8 (2006).	<input type="checkbox"/>	
	227	STUERMER et al., "Development of the Retinotectal Projection in Zebrafish Embryos under TTX-Induced Neural -impulse Blockade," <i>The Journal of Neuroscience</i> , 10(11):3615-3626 (1990).	<input type="checkbox"/>	
	228	SVOBODA et al., "Nicotinic Receptors Mediate Changes in Spinal Motoneuron Development and Axonal Pathfinding in Embryonic Zebrafish Exposed to Nicotine," <i>The Journal of Neuroscience</i> , 22(24):10731-10741 (2002).	<input type="checkbox"/>	
	201	VAN DE WATERBEEEMD et al., "Estimation of Blood-Brain Barrier Crossing of Drugs Using Molecular Size and Shape, and H-Bonding Descriptors," <i>Journal of Drug Targeting</i> , 6(2):151-165 (1998).	<input type="checkbox"/>	
	196	ZHDANOVA et al., "Melatonin promotes sleep-like state in zebrafish," <i>Brain Research</i> , 903:263-268 (2001).	<input type="checkbox"/>	

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